

10/511041
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Nigel Langford et al.

Examiner: Unknown
DT04 Rec'd PCT/PTO 12 OCT 2004

Serial No.: Unknown

Group Art Unit: Unknown

National Stage Entry: October 12, 2004

Docket: C330.104.101

Title: SEMICONDUCTOR DIODE LASER SPECTROMETER ARRANGEMENT
AND METHOD

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. § 1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached form PTO-1449. A copy of each "Foreign Document" and "Other Document" is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom. DE 43 31 847 A1 was cited in a corresponding International Search Report, a copy of which is attached hereto.

This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits. No certification or fee is required.

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Respectfully submitted,

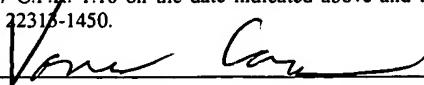

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Please grant any extension of time necessary for entry; charge any fee due to Deposit Account No. 500471.

CERTIFICATE UNDER 37 C.F.R. 1.10:

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The undersigned hereby certifies that this paper or papers, as described herein, are being deposited in the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

By 
Name: Vanessa Carels

FORM PTO-1449 MODIFIED INFORMATION DISCLOSURE CITATION IN AN APPLICATION			Docket No.: C330.104.101		Application No.: Unknown	
			APPLICANT: Nigel Langford et al.		NATIONAL STAGE ENTRY: October 12, 2004	
			GROUP ART UNIT: Unknown			
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,636,035	06-1997	Whittaker et al.			
FOREIGN PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	0 877 454 A1	11-1998	EP			
	43 31 847 A1	04-1004	DE			X
OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)						
	Bracewell, "The Fourier Transform and its Applications," pp.177-180, 1965.					
	Patent Abstracts of Japan, 07/27/1988, Abstract of JP 63182550					
	Namjou et al., "Sensitive Absorption Spectroscopy with a Room Temperature Distributed Feedback Quantum Cascade Laser," Optics Letters Vo. 23, No. 3, pp. 219-221, 1998.					
	Duxbury, "Infrared Vibratlon-Rotation Spectroscopy," Chapters 5 and 9, 2000.					
	Kosterev et al., "Trace-gas Detection in Ambient Air with a Thermoelectrically Cooled, Pulsed Quantum-Cascade Distributed Feedback Laser," Applied Optics Vo. 39, No. 36, pp. 6866-6872, 12-2000.					
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	Normand et al., "Characterisation of the Spectral Behaviour of Pulsed Quantum Cascade Lasers using a High Resolution Fourier Transform Infrared Spectrometer," Optics Communications, 197, pp. 115-120, 09/15/2001.					
	Kosterev et al., "Trasportable Automated Ammonia Sensor Based on a Pulsed Thermoelectrically Cooled Quantum-Cascade Distributed Feedback Laser," Applied Optics, Vol. 41, No. 3, 01/20/2002.					
	Copy of International Search Report for Application No. PCT/GB03/01510.					
EXAMINER SIGNATURE				DATE CONSIDERED		
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.						